

EF

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/508,972	SCHNEIDER, WALTER	
	Examiner	Art Unit	
	Kimberly D. Nguyen	2876	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-29.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date ____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>9/24/04</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                  | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other ____.   |

Kimberly D Nguyen  
Primary Examiner  
Art Unit: 2876

## **DETAILED ACTION**

### ***Allowable Subject Matter***

Claims 1-29 are allowed.

The following is an examiner's statement of reasons for allowance:

Lawandy et al. (US 2003/0005304; hereinafter "Lawandy '304") teaches as shown in figure 1, an exemplary article 420, such as an optical information media, that includes a coating 450 that is supportive of an image 432, also referred to herein as a "marking." The marking 432 contains a digital watermark 435. In one embodiment, a marking 432 and a digital watermark 435 are formed through deposition of a coating 450. In this embodiment, the coating 450 may be formed of, for example, a fluorescent ink. Marking 432 may include, e.g., text information, such as a word or words, graphic information, such as a logo or barcode, or any other suitable information. According to a preferred embodiment, marking 432 includes embedded information (also called "coding information") and/or authentication signatures included in the digital watermark 435 (paragraph 34+).

Lawandy (US 2003/0141375; hereinafter "Lanwandy '375") teaches a method and apparatus for enhancing encoded information through the addition of a digitally watermarked background is disclosed. The digitally watermarked background may incorporate semantic information derived from an object or further supplemental information to produce a digitally watermarked background for the encoded information. The digitally watermarked background may modify, replace, or be used in conjunction with the content of the encoded information. The digitally watermarked

Art Unit: 2876

background may be used as a key to limit access to the information in the encoded information.

Wagner et al. (US 7,049,267; hereinafter "Wagner") teaches a heat-sensitive recording sheet is formed as a laminate and includes at least a first and a second web material. The first web material has a substrate of paper with a watermark and the second web material has at least a substrate and a heat-sensitive recording layer.

Lawandy '304, Lawandy '375, and Wagner, taken alone or in combination thereof, fails to teach or fairly suggest security paper with a general fiber density for manufacturing a document of value or security document, having a bar code including information-conveying bars separated from each other by separating fields, wherein the separating fields are incorporated as a watermark in the security paper, so that a fiber density of the security paper in the area of these separating fields deviates from a general fiber density of the security paper as set forth in independent claims 1 and 12; or papermaking screen for manufacturing a security paper with a bar code which includes information-conveying bars separated from each other by separating fields, wherein the papermaking screen has areas for producing the separating fields, in which the papermaking screen is especially formed so as to positively or negatively influence the deposit of fibers in these areas for producing a watermark in a paper to be manufactured with the papermaking screen as set forth in independent claim 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2876

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 571-272-2402. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimberly D Nguyen  
Primary Examiner  
Art Unit 2876



December 21, 2006